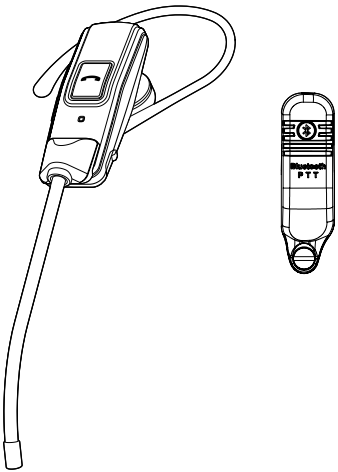
ENGLISH

Entel

HX2.0 Bluetooth Earpiece Kit

User Guide



Bluetooth CE

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PRECAUTIONS

- Do not use accessories not specified by Entel
- Ensure that the product is used within the parameters specified within this document
- Switch the radio off before connecting or removing the Bluetooth Dongle
- Keep away from humidity and dust
- Do not handle the Mains Adaptor with a wet hands
- Do not disassemble or modify for any reason
- Keep the Earpiece away from a micro-wave or wireless LAN because you may get interference
- Check and observe regulations in your country with regard to use whilst driving or operating machinery etc.
- Do not use in explosive environments e.g. Petrol Stations, Quarries etc.

End of Life Disposal

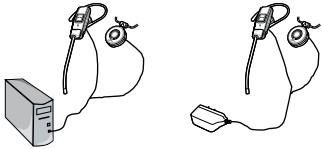
When your Entel HX2.0 Bluetooth Earpiece Kit reaches the end of its useful life, please ensure that the units are disposed of in an environmentally friendly way.
For country specific information please see:
www.entel.co.uk/recycling

Quick Start Guide

This is a “Quick Start Guide” only.
For full product information usage and care please read all detailed instructions in this User Guide carefully and completely.

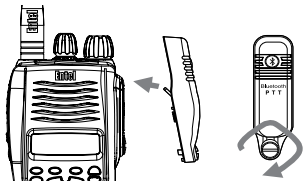
Charging

Fully charge before first use
Use the supplied USB Multi Charging Cable connected to a PC/Laptop. The LED’s turn off when charging is completed.



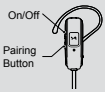
Attaching the Bluetooth Dongle

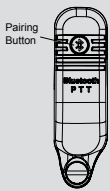
Ensure the radio is turned off
Carefully insert projecting part of the Bluetooth Dongle into the groove of the radio and tighten the locking screw clockwise.



Pairing

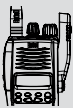
The following procedure must be followed in strict order

Pairing	Button Action	LED State
1 Ensure that the Bluetooth Dongle is attached to the radio and that the **Radio is turned off**	None	Off
2 Bluetooth Earpiece 	Turn **On** Press the On/Off (Multi) Button for 2 seconds Press the **Pairing** Button for 5 seconds	Blue LED turns on for 1 second and turns off Blue LED rapidly flashes continuously The earpiece is now in **"Pairing Standby"**
3 Remote PTT (optional item)	Do not turn **On** Press the **Multi** Button for 6 seconds	Red LED flashes continuously The Remote PTT is now in **"Pairing Standby"**

Pairing	Button Action	LED State
4 Bluetooth Dongle (optional item)  	Turn **On** Radio The Bluetooth Dongle turns on automatically when the radio is turned on. Set the radio volume to maximum (this defaults the Bluetooth Earpiece volume to its mid point) Press the **Pairing** Button for 6 seconds	Blue LED flashes continuously The Bluetooth Dongle is now paring itself with the Earpiece and optional PTT Remote. When paring is complete the Blue LED flashes 3 times every 5 seconds

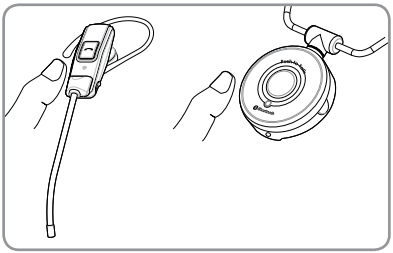
The HX2.0 Bluetooth Earpiece Kit is now ready for use.

Turning On (Once Paired)

Turning On	Button Action	LED State
Bluetooth Dongle 	Turns on automatically when the radio is turned on Set the radio volume to maximum (this defaults the Bluetooth Earpiece volume to its mid point)	Blue LED flashes 5 times Then flashes once every 5 seconds until connected to earpiece Will then flash 3 times every 5 seconds
Bluetooth Earpiece	Press the On/Off (Multi) Button for 2 seconds.	Blue LED turns on for 1 second and turns off Will then flash once every 5 seconds
Remote PTT (optional item)	Press the **Multi** Button for 2 seconds	Red LED flashes 5 times then 4 times Will then flash once every 3 seconds

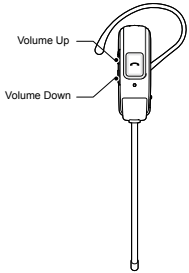
How to Use Earpiece and Remote PTT

- **Press** to Talk
- **Release** to Receive



Volume Control:

Use the Volume Up and Down buttons to adjust the volume with short repeated button presses in order to avoid turning the Earpiece off or putting into pairing mode.

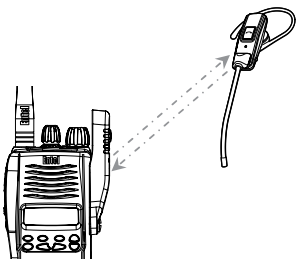


For full product information usage and care please read the following detailed instructions carefully and completely.

Product Overview

Thank you for purchasing the Entel Bluetooth Earpiece Kit. This user guide will explain the features, to provide trouble free use.

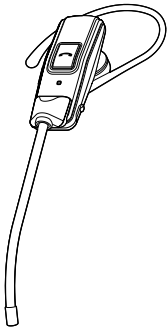
Should you notice any defects or experience any problems with this product, please contact the Entel dealer from whom you purchased it immediately.



You can place your radio on a belt or other convenient position using the Bluetooth Dongle with the Bluetooth Earpiece to communicate wirelessly.

Please read all instructions carefully and completely before use to ensure safe and satisfactory operation of this product.

Packing List



Bluetooth Earpiece

Bluetooth Dongle

USB Multi Charging Cable

Manual

Packing List	
HXBT	HX2.0 Bluetooth Earpiece Kit
BT-EA	Bluetooth Earpiece
BT-D	Bluetooth Dongle
BT-USB	USB Multi Charging Cable

Optional Accessories

Remote PTT

PTT Neck Strap for Remote PTT

PTT Belt Clip for Remote PTT

Main Adaptor with socket

Optional Accessories	
BT-PTT	Remote PTT Used to remotely initiate transmission
BT-NS	Neck Strap for Remote PTT Used in combination with Remote PTT to allow the Remote PTT to be worn around your neck
CBHBT	Belt Clip for Remote PTT Used in combination with Remote PTT to allow the Remote PTT to be clipped to your belt or pocket
CWCBTEE	Mains Adaptor – UK Used in combination with USB Charging Cable (supplied separately)
CWCBTED	Mains Adaptor – European Used in combination with USB Charging Cable (supplied separately)
CWCBTES	Mains Adaptor – USA Used in combination with USB Charging Cable (supplied separately)
CWCBTEA	Mains Adaptor – Australia Used in combination with USB Charging Cable (supplied separately)

Warning

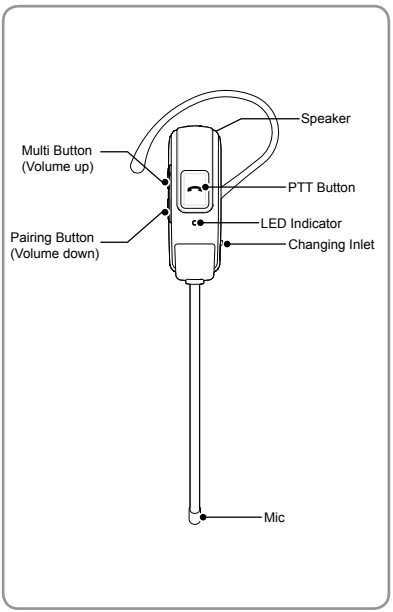
The HX2.0 Bluetooth Earpiece Kit must only be used with Entel supplied and supported devices and accessories.

The use of unsupported devices and accessories is not recommended, may damage the devices and will invalidate warranty.

Features

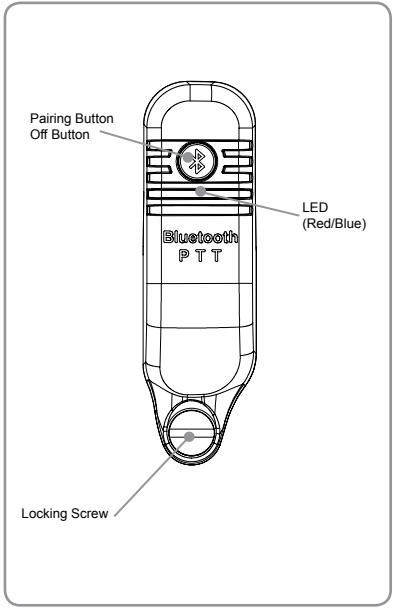
Bluetooth Earpiece

The Earpiece allows you to talk to and listen to a contact wirelessly. It can be used in your left or right ear by rotating the ear clip.



Bluetooth Dongle

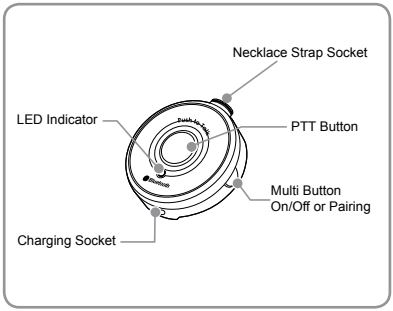
The Bluetooth Dongle attaches to your radio and allows you connect with the Bluetooth Earpiece and optional Remote PTT.



Remote PTT (optional item)

The Remote PTT allows you to remotely initiate transmission.

A Neck Strap or Belt Clip are supplied separately to allow the Remote PTT to be worn around your neck or clipped to your belt or pocket.



Note

The Remote PTT is an optional item and not supplied as standard.

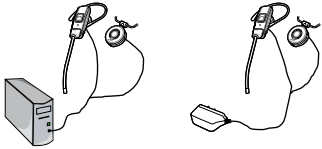
Prepare for Use

Charging

Both the Bluetooth Earpiece and optional Remote PTT have a built-in re-chargeable battery and must be:

Fully charged before first use

Use the supplied USB Multi Charging Cable connected to a PC/Laptop or with the optional Mains Adaptor.



You can charge Bluetooth Earpiece and Remote PTT (optional item) at the same time.

The USB Charging Cable can be plugged into either a PC/Laptop or Mains Adaptor, ensuring they are turned off before use.

Ensure the Bluetooth Earpiece and Remote PTT are turned off. Connect the correct adaptor into the socket of the Bluetooth Earpiece and/or Remote PTT. Turn on the PC/Laptop or Mains Adaptor.

During charging, the LED's turn on:
Blue – Bluetooth Earpiece
Red – Remote PTT
When charging is complete the LED's turn off.

Charging time is less than 2 hours.

Note
The Mains Adaptor is an optional item and not supplied as standard.

Low Battery Warnings
Bluetooth Earpiece:
The blue LED flashes twice every 1 minute and the earpiece will beep.

Remote PTT:
The red LED flashes once every 10 seconds.

Warning
Only charge with Entel supplied and supported devices and accessories.

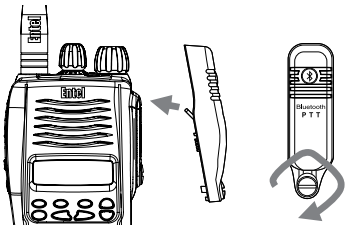
The use of unsupported devices and accessories is not recommended and will invalidate the warranty.

Attaching the Bluetooth Dongle to the Radio

Ensure the radio is turned off

Insert projecting part of the Bluetooth Dongle into the groove of the radio.

Carefully **without the use of tools,** tighten the locking screw clockwise until the Bluetooth Dongle is secured to the radio.



To remove the Dongle, ensure the radio is turned off. Carefully undo the locking screw anti clockwise and lift the Bluetooth Dongle clear of the radio.

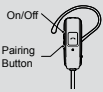
Warning

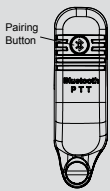
Only tighten the locking screw finger tight when securing the Bluetooth Dongle to the radio. Do not over tighten.

Do not use tools to tighten the screw.

Pairing

The following procedure must be followed in strict order

Pairing	Button Action	LED State
1 Ensure that the Bluetooth Dongle is attached to the radio and that the **Radio is turned off**	None	Off
2 Bluetooth Earpiece 	Turn **On** Press the On/Off (Multi) Button for 2 seconds Press the **Pairing** Button for 5 seconds	Blue LED turns on for 1 second and turns off Blue LED rapidly flashes continuously The earpiece is now in **"Pairing Standby"**
3 Remote PTT (optional item)	Do not turn **On** Press the **Multi** Button for 6 seconds	Red LED flashes continuously The Remote PTT is now in **"Pairing Standby"**

Pairing	Button Action	LED State
4 Bluetooth Dongle (optional item)  	Turn **On** Radio The Bluetooth Dongle turns on automatically when the radio is turned on. Set the radio volume to maximum (this defaults the Bluetooth Earpiece volume to its mid point) Press the **Pairing** Button for 6 seconds	Blue LED flashes continuously The Bluetooth Dongle is now paring itself with the Earpiece and optional PTT Remote. When paring is complete the Blue LED flashes 3 times every 5 seconds

Once pairing is completed, you do not need to pair again. When you power on; your devices are automaticaly reconnected.

If pairing fails repeat the pairing procedure from step 1.

In order to maximise your security and minimise interference please note that only one Bluetooth Earpiece can be paired to a Bluetooth Dongle.

Pairing Disconnection

1 – When the operating range is exceeded (up to 10m) pairing is disconnected and the LED on the Bluetooth Dongle will flash Blue & Red. When you come back in range within 20 minutes, your devices will be automatically reconnected.

Should the devices not automatically reconnect; press the Multi Button once on the Bluetooth Earpiece and Remote PTT (optional item).

If more than 20 minutes has elapsed; turn the Radio, Bluetooth Earpiece and optional Remote PTT off & on then allow the Dongle to re-pair.

2 – If the radio is turned off for more than 20 minutes; turn the Bluetooth Earpiece and optional Remote PTT off & on, then turn the radio on and allow the Dongle to re-pair.

Device Identification

When the operating range is exceeded (up to 10m) In order to avoid confusion and avoid the need to continually re-Pair devices in an environment where you may have multiple Bluetooth Earpieces and/or Remote PTTs; we recommend that you individually identify each device with a sticker or similar.

Turning On (Once Paired)

Turning On	Button Action	LED State
Bluetooth Dongle	Turns on automatically when the radio is turned on Set the radio volume to maximum (this defaults the Bluetooth Earpiece volume to its mid point)	Blue LED flashes 5 times Then flashes once every 5 seconds until connected to earpiece Will then flash 3 times every 5 seconds
Bluetooth Earpiece	Press the On/Off (Multi) Button for 2 seconds.	Blue LED turns on for 1 second and turns off Will then flash once every 5 seconds
Remote PTT (optional item)	Press the **Multi** Button for 2 seconds	Red LED flashes 5 times then 4 times Will then flash once every 3 seconds

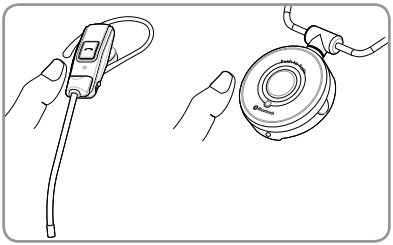
Turning Off

Turning Off	Button Action	LED State
Bluetooth Dongle	Turns on automatically when the radio is turned off.	Blue LED turns off
Bluetooth Earpiece	Press the On/Off (Multi) Button for 2 seconds.	Blue LED turns on for 1 second and turns off Will then flash once every 5 seconds
Remote PTT (optional item)	Press the **Multi** Button for 4 seconds	Red LED turns on for 1 second and turns off

How to Use Earpiece and Remote PTT

The PTT on the Bluetooth Earpiece or Remote PTT (optional item) has been designed to work just like a conventional PTT:

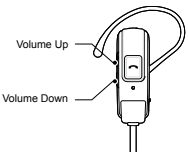
- **Press** to Talk
- **Release** to Receive



Volume Control:
The volume of the Earpiece can be adjusted for your comfort using either the:

- Radio volume control or
- Bluetooth Earpiece volume control
  Set the radio volume to maximum
  (This defaults the Bluetooth Earpiece volume to its mid point)

Use the Volume Up and Down buttons to adjust the volume with short repeated button presses in order to avoid turning the Earpiece off or putting into pairing mode.



Normal Radio Usage

Whilst the Bluetooth Earpiece is paired to the Bluetooth Dongle and being used in normal Bluetooth mode, the speaker and microphone in the Bluetooth Earpiece is used. The radio's speaker and microphone are muted and not used.

You can use the radio's PTT, this will unmute the radio microphone allowing its use, whilst all received audio will still be heard via the Bluetooth Earpiece.

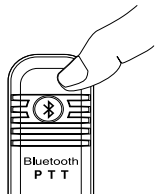
The Radio can be used normally, using the radio's PTT, speaker and microphone without the need to remove the Bluetooth Dongle by turning the Bluetooth Dongle off.

Disconnect the Bluetooth Dongle from the radio by pressing the Bluetooth Dongle Pairing Button for 10 seconds.

The LED will flash Blue & Red continuously.

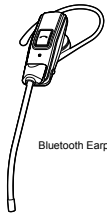
Note

After pressing the Pairing Button for 6 seconds you will see the Blue LED flashing, please ignore this and wait the full 10 seconds.



When you want to return to Bluetooth functionality, press the Bluetooth Dongle Pairing Button for 3 seconds. The Blue LED then flashes once every 5 seconds until connected to earpiece. Once reconnected the LED flashes 3 times every 5 seconds.

Spare Parts



Spare Parts	
BT-EA	Bluetooth Earpiece
BT-USB	USB Multi Charging Cable

Specifications

	Bluetooth Dongle	Bluetooth Earpiece	Remote PTT
Bluetooth® Version	Bluetooth® Ver 2.0 Compatible	Bluetooth® Ver 2.0 Compatible	Bluetooth® Ver 2.0 Compatible
Supported Bluetooth® Profile	Headset / Serial	Headset / Hands Free	Serial
Carrier Frequency	2.402 ~ 2.480Ghz	2.402 ~ 2.480Ghz	2.402 ~ 2.480Ghz
Operating Range	Up to 100m (Environment and accessory dependant)	Up to 10m (Environment dependant)	**Up to 10m (Environment dependant)**
Operating Temperature	-10 ~ +60°C	-10 ~ +60°C	-10 ~ +60°C
Battery	Same as Radio	3.7V/90mA	3.7V/130mA
Talk Time		Up to 5 hours	Up to 7 hours
Standby Time		Up to 120 hours	Up to 200 hours
Charging Time		Less than 2 hours	Less than 2 hours

Declaration of Conformity - Bluetooth Dongle

We Entel UK Limited of:
320 Centennial Avenue
Centennial Park
Elstree
Borehamwood
Hertfordshire
WD6 3TJ
United Kingdom

Declares under our sole responsibility that the product:

BT-D - Bluetooth Dongle
Conforms to the following standards or other nominative documents:

- EN 300 328 v1.1.7 (2006), EN 301 489-1 v1.8.1 (2008), EN301 489-17 v2.1.1 (2009), EN60950-1 (2006) = A11 (2009) & EN 50371 (2002) in accordance with Directive 99/5/EC – March 9th 1999

CE

Declaration of Conformity - Bluetooth Earpiece

We Entel UK Limited of:
320 Centennial Avenue
Centennial Park
Elstree
Borehamwood
Hertfordshire
WD6 3TJ
United Kingdom

Declares under our sole responsibility that the product:

BT-EA - Bluetooth Earpiece
Conforms to the following standards or other nominative documents:

- EN 300 328 v1.1.7 (2006), EN 301 489-1 v1.8.1 (2008), EN301 489-17 v2.1.1 (2009), EN60950-1 (2006) = A11 (2009) & EN 50371 (2002) in accordance with Directive 99/5/EC – March 9th 1999

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Declaration of Conformity - Remote PTT

We Entel UK Limited of:
320 Centennial Avenue
Centennial Park
Elstree
Borehamwood
Hertfordshire
WD6 3TJ
United Kingdom

Declares under our sole responsibility that the product:

BT-PTT - Remote PTT
Conforms to the following standards or other nominative documents:

- EN 300 328 v1.1.7 (2006), EN 301 489-1 v1.8.1 (2008), EN301 489-17 v2.1.1 (2009), EN60950-1 (2006) = A11 (2009) & EN 50371 (2002) in accordance with Directive 99/5/EC – March 9th 1999

CE

Warranty

The Entel HX2.0 Bluetooth Earpiece Kit, Bluetooth Dongle, Bluetooth Earpiece, Remote PTT and optional accessories come with a 12 month manufacturing defects warranty, for details please contact your Entel dealer.

Trouble Shooting Guide

Problem	Probable Cause	Solution
Bluetooth Earpiece or Remote PTT will not turn on	Batteries need charging Batteries are end of life *	Recharge batteries Replace Earpiece or Remote PTT
Bluetooth Earpiece or Remote PTT will not transmit or receive	The Radio has been turned off for more than 20 minutes with the Devices turned on	Turn the Bluetooth Earpiece and optional Remote PTT off & on, then turn the radio on and allow the Dongle to re-pair.
	Devices have lost pairing with the Bluetooth Dongle	Re-Pair devices
Bluetooth Earpiece is working correctly but the Remote PTT will not transmit or receive	Remote PTT has lost pairing with the Bluetooth Dongle	Re-Pair Remote PTT
Remote PTT is working correctly but the Bluetooth Earpiece will not transmit or receive	Bluetooth Earpiece has lost pairing with the Bluetooth Dongle	Re-Pair Bluetooth Earpiece
Bluetooth Earpiece or Remote PTT will not transmit or receive and the LED on the Bluetooth Dongle flashes “Blue/Red	Devices are turned off	Turn Devices on
	Radio is out of Bluetooth range (up to10m)	Move Earpiece and/ or Remote PTT within range of radio
	The Bluetooth Dongle is turned off	Turn on Bluetooth Dongle

Problem	Probable Cause	Solution
Bluetooth Dongle does not work with the radio	Bluetooth Dongle not seating correctly	Check connection to accessory socket
	Dirty connections	Remove Bluetooth Dongle from radio and clean the connectors on the Dongle and radio and refit the Bluetooth Dongle Recharge battery
The LED on the Earpiece flashes twice every minute and the Earpiece beeps	Low battery warning	Recharge battery
The LED on the Remote PTT flashes once every 10 seconds	Low battery warning	Recharge battery

*Battery Life

The life of a rechargeable batteries operating under normal conditions is around 500 charge/discharge cycles.

Notes

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Entel UK Ltd

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